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***Africa Research in Sustainable Intensification for the Next Generation***

africa-rising.net

**Validation visit for pre-selected sites in the district of Koutiala**

**MISSION REPORT**

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# Mission objectives:

An exploration mission was conducted from 8-12 January in the district of Koutiala in order to collect general information on the villages which were pre-selected as potential action sites for Africa Rising. The objectives of the mission were :

* Collect certain information in order to validate the choice of a village as an intervention site
* Characterize the sites in terms of population, infrastructure, and natural resources
* Identify the villages that meet the basic conditions allowing the activities of the project in Mali to be implemented
* Identify the villages that can serve as control sites.

The following is the information collection sheet for the villages.

Table 1: Data collection sheet

|  |
| --- |
| **General information** |
| Village name |
| Total population |
| Total number of households |
| Average household size |
| Administrative center of the commune |
| Distance of the village from the administrative center of the commune |
| Names of resource persons |
| Function of resource persons |
| **Accessibility of the site** |
| Existence of roads for 4x4 vehicles |
| State of roads  (1) Good (2) bad (3) impassible |
| Topographic constraints (hills, ravines, etc) |
| **Water resources** |
| Water sources for human consumption (types and number) |
| Water sources for livestock (types and number) |
| Depth of water table |
| **Land use for agriculture** |
| % of land cultivated |
| % of land in fallow (>5 years) |
| % of land in forest (non-protected) |
| % of land in protected forest (forêt classée) |
| % of non-cultivable pasture land |
| Are there local conventions on land use? |
| **Transhumance** |
| Period and location of transhumance |
| Number of transhumance corridors |
| **Health infrastructure** |
| Health districts serving the site |
| Does the site have easy access to one or more Community Health Centers (CSCOM)? |
| Number and names of CSCOM serving the site |
| Number and names of veterinary clinics or services present |
| **Other Infrastructures** |
| Number of functioning grain mills in the village |
| **Projects/NGOs present** |
| Number of NGOs/projects intervening in the site |
| Name of NGO and nature of their interventions  (1) Agriculture (2) nutrition (3) Management of community resources (4) training (5) other |
| **Presence of socio-professional groups/associations** |
| Number of socio-professional organizations present |
| Name and nature of activities of these organizations:  (1) Agriculture (2) nutrition (3) Management of community resources (4) training (5) other |
| **Presence of seed cooperatives** |
| Number of seed cooperatives serving the site |
| Names and nature of the activities of seed cooperatives  (1) Production (2) Sales (3) Promotion (4) Training (5) others |
| Names of seed cooperatives and Unions to which they belong |
| Names and nature of activities of unions of cooperatives  (1) Production (2) Sales (3) Promotion (4) Training (5) others |
| **Presence of farmer field schools** |
| Are there farmer field schools operating at the site? |
| **Number of plant nurseries at the site** |

**The accessibility of the site, the presence of key partners (such as AMEDD, AMASSA), the existence of agricultural cooperatives and communal unions** form the principal criteria for choosing/eliminating a site as an intervention site. The other types of information serve essentially to verify that the different sites selected have the combination of conditions required to implement the activities of the project in the three target domains; that is, the entry points Seed systems, Livestock, Land & Fodder, and Nutrition.

Over the district of Koutiala, 16 villages were pre-selected within the zones of high and medium market access (see list below). The mission looked to validate the choice of these sites.

Table 2: pre-selected sites in Koutiala

|  |  |  |  |
| --- | --- | --- | --- |
| **Market Access** | **Commune** | **Village** | **District** |
| High | Diouradougou-kafo | Bougouro | Koutiala |
| Konina | M'petiela | Koutiala |
| Konséguéla | Wesserebougou | Koutiala |
| Koutiala Commune | Sinie | Koutiala |
| Miena | Miena | Koutiala |
| Nafanga | Kani | Koutiala |
| N'tossoni | N'tossoni | Koutiala |
| Zanfigue | Bobola-zangasso | Koutiala |
| Medium | Diaramana | Gouentiesso | Koutiala |
| Fagui | Semesso | Koutiala |
| Gouadji-kao | Kassiola | Koutiala |
| Kolonigue | Tarasso-heremakono | Koutiala |
| Koromo | Kokotana | Koutiala |
| Sincina | Try-2 | Koutiala |
| Sinkolo | Siou | Koutiala |
| Zanina | Debela | Koutiala |

# Process:

The team for this mission was composed of: Abdramane Yorote (Agronomist, IER/LaboSEP), Mary Ollenburger (Research scholar, WUR), Manda Sissoko (Scientific officer, ICRISAT), Cheick Bane (Driver ICRISAT).

The process adopted consisted of organizing meetings on arrival with the key partners of the program who intervene in the district of Koutiala. These meetings had as their goal to identify the villages in the pre-selected list with which the partners had current or past experience of collaboration. These villages were characterized according to the information form above.

Two meetings took place, with AMASSA on 8 January and with AMEDD-PACR on 9 January. The resource persons attending from partner groups were:

* Ya DIAKITE (AMASSA)
* Ousmane DEMBELE (AMEDD)
* Pierre COULIBALY (Project coordinator AR AMEDD)
* Seydou BERTHE ( Supervisor PACR, AMEDD)
* Kassoum OUATTARA (Community Development Agent of Diouradougou Kafo)



*Rencontre à AMEDD, AMASSA*

From these meetings, only 5 villages (Miena, Gouantiesso, Try-2, Tarasso –Heremakono, Bougoro) were recognized by the partners from the list of 16 pre-selected villages. Additionally, most of the information required was not available to them. On account of this, visits were made to the administrative centers of the communes corresponding to each site, where data were collected from officials.

 

*Meeting in Fagui Meeting in Koloningue*

An interview was conducted with the resource persons present in the administrative centers to fill in the information sheet. From 9-11 January, 13 administrative centers were visited. Appendices I and II contain the results of data collection and images illustrating different activities conducted.

Table 3: Planning of activities

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Commune**  **Admin. Center** | **Villages covered** | **Resource person(s)** |
| **09 Janv** | Sincina  Sincina | Data collection TRY-2 | Mayor of the commune  First deputy to the mayor (resident of the village) |
| Koloningue  Molobala | Tarasso  Kani | Secretary general  Mayor of Koloningué  Mayor of Nanfaga |
| Sinkolo  Sinkolo | Siou | 3rd deputy to the mayor |
| Fagui  Ziena | Semesso | Mayor of the commune  Secretary general |
| **10 janv** | M’Pessoba  M’Pessoba | Gouantiesso | Sécretaire Général du Maire  Chef Secteur Agriculture |
| Miena  Miena | Miena | Manager of the commune  2nd deputy to the mayor  3rd deputy to the mayor |
| Zanina  Debela | Debela | Mayor of the commune  Secretary general |
| N’Tossoni  N’Tossoni | N’Tossoni | Secretary general  Manager of the Commune  President of the Communal Union of Coop. |
| **11 janv** | Gouadji kao  N’Togonasso | Kassiola | Communal counselor  Secretary general |
| Koromo  Bongosso | Kokotana | Manager of the Commune  2nd deputy to the mayor  Secretary general  Resource persons of the village |
| Zanfigue  Bobola Zangasso | Bobola Zangasso | Counselor of the district  1st and 2nd deputies to the mayor |
| Koutiala commune | Collecte des données sur Signé | Counsellors to the village chief  Health aide to the village |

# Observations and recommendations:

***Due to the unexpected interruption of the mission, 3 sites could not be visited: the sites of Konina, Konséguela, Diouradougou Kafo.*** For this last site, only information on the population and households are lacking, the other data was collected in the meeting organized with AMEDD. The local partner AMEDD could be contracted to complete the collection of data for the 2 sites where this is missing.

From our investigations in the field, we observed that with the exception of Semesso (commune Fagui) and Kokotana (commune Koromo), ***the sites initially located in the zone of medium market access (LM) are instead the sites not far from main roads, therefore they are sites with easy access to markets.*** Similarly, apart from Signé, the sites initially located in the zone LH are all relatively far from main roads. Therefore the sites must be reorganized between the two strata. The adjusted distribution should be the following:

Table 4: Updated stratification

|  |  |  |  |
| --- | --- | --- | --- |
| **Market access** | **Commune** | **Village** | **District** |
| Medium  (LM) | Diouradougou-kafo | Bougoro | Koutiala |
| Konina | M'petiela | Koutiala |
| Konséguéla | Wesserebougou | Koutiala |
| Miena | Miena | Koutiala |
| N'tossoni | N'tossoni | Koutiala |
| Zanfigue | Bobola-zangasso | Koutiala |
| Fagui | Semesso | Koutiala |
| Koromo | Kokotana | Koutiala |
| High (LH) | M’Pessoba | Gouantiesso | Koutiala |
| Koutiala Commune | Signé | Koutiala |
| Gouadji-kao | Kassiola | Koutiala |
| Kolonigue | Tarasso-heremakono | Koutiala |
| Sincina | Try-2 | Koutiala |
| Sinkolo | Siou | Koutiala |
| Zanina | Debela | Koutiala |
| Nafanga | Kani | Koutiala |

All of the sites visited could be accessed by a road that is passable in a 4-wheel-drive vehicle during the dry season. However, during the rainy season, the sites of M’Pessoba, Koromo, Gouadji Kao, Fagui, Zanfigue are not easily accessible due to the absence of roads or the very poor status of roads. The rural road of Fagui is in very bad condition in general. The data on village population does not always come from a confirmed, reliable source, as in certain sites these were obtained by estimation on the part of resource persons.

***It was found that the stratification classes created from the market access and rainfall factors do not serve to create homogeneous domains***. In effect, one notes more variability within the strata than between strata, particularly concerning the population of the villages and their distance from main roads. This could suggest two things:

1) The two market access strata and the single rainfall stratum do not capture the diversity of conditions over the whole of Koutiala

2) Another factor should be considered for stratification, for example the population of the village or population density.

Concerning the accessibility criterion (presence and status of roads), the potential intervention sites (bold) and control sites (red) for Africa Rising are listed in the following table. The presence of the NGOs AMASSA and/or AMEDD is indicated for each site (according to the sources consulted), but these should be verified to determine the types of projects/interventions realized in these sites (in progress). Given the heterogeneity problem mentioned above, it is difficult to consider that these potential intervention sites start from similar initial conditions, therefore it would be difficult to find only one control site per stratum where the characteristics are similar to all the intervention sites. ***Thus the pairwise approach for site selection should be favored, since it would permit an easier association of each intervention site to a similar potential control site.***

The types of interventions or technologies that could be recommended in each site should depend on other characteristics (resources available, etc).

Table 5: Recommended intervention and control sites

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Market access** | **Commune** | **Intervention Village** | **Control site** | **Partners present** | **Coop/Unions** |
| Medium  (LM) | **Diouradougou-kafo** | **Bougoro** | **Kokotana** | PACR (AMEDD) | UCPCV |
| **Konina ?** | **M'petiela ?** |  | (AMEDD) ? |  |
| **Konséguéla ?** | **Wesserebougou ?** |  | (AMEDD) ? |  |
| **Miena** | **Miena** | **Bobola Zangasso** | AMEDD (nutrition), AMASSA | * UCPCV * Union of womens’ cooperatives |
| **N'tossoni** | **N'tossoni** | **Semesso** | (AMEDD) | UCPCV |
| High  (LH) | **M’Pessoba** | **Gouantiesso** | **Kani** | AMASSA, AMEDD | * UCPCV * Seed center |
| **Koutiala Commune** | **Signé** | **Kassiola** | (AMEDD) | UCPCV |
| **Kolonigue** | **Tarasso-heremakono** | **Siou** | AMEDD, PACR | UCPCV |
| **Sincina** | **Try-2** | **Debela** | AMASSA, AMEDD | UCPCV  SIWAA |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| APPENDIX I : Data collection results | | | | | | | | | | | | | | |
| **QUESTIONS** | **RESULTS** | | | | | | | | | | | | | |
| Village population | **<500** | **500-1000** | | | | **1000-2000** | | | | **2000-3000** | | | | **>3000** |
| Tarrasso-Heremakono | Try-2, Semesso | | | | Siou, Kani, Signé, Kokotana | | | | Kassiola | | | | Gouantiesso, Debela, Ntossoni, Bobola Zangasso, Bougoro, Miena |
| Total number of households | **<50** | **50-100** | | | | **100-300** | | | | **300-500** | | | | **>500** |
| Siou, Tarrasso | Signé, Try-2, Semesso | | | | Kani, Kokotana, Bobola Zangasso, Debela, Kassiola | | | | N’Tossoni | | | | Miena, Gouantiesso |
| Average household size | **<10** | **10-20** | | | | **20-40** | | | | **>50** | | | | |
| 0 | Debela, Signé, Semesso, Try-2, Tarrosso, Kokotana, Kassiola | | | | Gouantiesso, N’Tossoni, Kani, Bobola Zangasso, Siou | | | | Miena | | | | |
| Distance to administrative center | **0 km** | **0-10** | | | | **10-20** | | | | **>20** | | | | |
| Debela, Miena, Bobola Zangasso, N’tossoni | Kassiola, Kokotana, Semesso, Siou, Bougoro | | | | Tarrasso, Try-2, Kani, Signé | | | | Gouantiesso | | | | |
| **Accessibility** |  | | | | | | | | | | | | | |
| Existance of roads for 4x4 vehicle | **YES** | | | | | **NO** | | | | | | | | |
| All sites but Semesso | | | | | Semesso during rainy season | | | | | | | | |
| State of roads  (1) Good (2) bad (3) impassible | **1** | | | **2** | | | | | **3** | | | | | |
| N’Tossoni, Siou, Miena, Debela, Signé, Kani, Try-2, Tarrasso, Bougoro | | | Semesso, Bobola Zangasso. Pendant Hivernage : Gouantiesso, Kassiola, Kokotana | | | | |  | | | | | |
| **Water resources** |  | | | | | | | | | | | | | |
| Water sources for human consumption (types and number) | **Traditional/improved wells** | **Bore-hole** | | | **Water tower** | | | **Manual pump** | | | | | **Surface water** | |
| Semesso, Kokotana, Kassiola, Gouantiesso, Bobola zangasso, Tarrasso, Try-2, Kani, Signé, Debela, Miena, Siou, Bougoro | Semesso, Kassiola, Gouantiesso, Bobola Zangasso, Tarrasso, Try-2, Kani, Signé, Miena, N’Tossoni, Bougoro | | | Try-2, Miena, N’Tossoni | | | Debela | | | | | Bougoro | |
| Water sources for livestock (types and number) | **Traditional/improved wells** | **Bore-hole** | | | **Water tower** | | | **Manual pump** | | | | | **Surface water** | |
| Semesso, Kokotana, Kassiola, Gouantiesso, Bobola Zangasso, Tarrasso, Try-2, Kani, Signé, Debela, Miena, Siou, N’Tossoni, Bougoro | Bobola Zangasso | | |  | | |  | | | | | Kokotana, Kassiola, Bobola Zangasso, Tarrasso, Signé, Debela, N’tossoni, Bougoro | |
| Depth of water table | **<10m** | **10-20m** | | | | **20-30m** | | | | **>30m** | | | | |
| Debela | Tous les sites sauf(Miena, Debela) | | | | aucun | | | | Miena | | | | |
| **Land use for agriculture** |  | | | | | | | | | | | | | |
| % of cultivated land | **<50%** | | | **50-80%** | | | | | | | **>80%** | | | |
|  | | | Miena, Siou, Kani, Try-2, Tarrasso, Kokotana, Semesso | | | | | | | Debela, N’Tossoni, Signé, Bobola, Gouantiesso, Kassiola | | | |
| % of land in fallow (>5 years) | **Absent** | **Low** | | **Medium** | | | | | | | **High** | | | |
| Debela, Bougoro, N’Tossoni, Signé, Kani, Try-2, Bobola, Kassiola, Kokotana | Miena, Siou, Gouantiesso, Semesso | | Tarrasso | | | | | | |  | | | |
| % of land in protected forest (forêt classée) | **YES** | | | **NO** | | | | | | | | | | |
| Tarrasso, Kokotana | | | Miena, Debela, N’Tossoni, Siou, Signé, Kani, Try-2, Bobola, Gouantiesso, Kassiola, Semesso | | | | | | | | | | |
| % of non-cultivable pasture land | **Absent** | **Low** | | **Medium** | | | | | **High** | | | | | |
| Debela, Bougoro, Signé, Kani, Tarrasso, Bobola,Gouantiesso, Kassiola, Kokotana | N’Tossoni, Siou | | Miena, Try-2, Semesso | | | | |  | | | | | |
| Are there local conventions on land use? | **NO** | | | **Informal** | | | | | **YES** | | | | | |
| Miena, Debela | | | N’Tossoni, Signé, Bobola, Kassiola, Kokotana | | | | | Gouantiesso (senbilisation) | | | | | |
| **Transhumance corridors** |  | | | | | | | | | | | | | |
| Number of transhumance corridors | **0** | **1** | | | | **2-4** | | | | **>4** | | | | |
| Miena, Bougoro, Signé, Try-2, Tarrasso, Semesso | Debela, N’Tossoni, Bobola, Gouantiesso, Kassiola, Kokotana | | | | Siou, Kani | | | |  | | | | |
| **Health infrastructure** |  | | | | | | | | | | | | | |
| Number of health districts serving the site | **0** | | | **1-2** | | | | | **>2** | | | | | |
|  | | | Miena, Debela, Bougoro, N’Tossoni, Siou, Signé, Kani, Try-2, Tarrasso, Bobola, Kassiola, Kokotana, Semesso | | | | | Gouantiesso | | | | | |
| Does the site have easy access to one or more Community Health Centers (CSCOM)? | **YES** | | | | | **NO** | | | | | | | | |
| Miena, Debela, Bougoro, N’Tossoni, Siou, Signé, Kani, Try-2, Tarrasso, Bobola, Kassiola, Kokotana, Semesso | | | | | Gouantiesso (rainy season) | | | | | | | | |
| Number and names of CSCOM serving the site | **0** | | | **1-2** | | | | | **>2** | | | | | |
|  | | | Debela, Bougoro, N’Tossoni, Siou, Kani, Try-2, Tarrasso, Bobola, Kassiola, Kokotana, Semesso | | | | | Miena, Signé , Gouantiesso | | | | | |
| Number and names of veterinary clinics (or services) present | **0 (veterinary agent present)** | | | **1-2** | | | | | **>2** | | | | | |
| Miena, Debela, Bougoro, N’Tossoni, Siou, Signé, Kani, Try-2, Tarrasso, Bobola, Gouantiesso, Kassiola, Kokotana, Semesso | | |  | | | | |  | | | | | |
| **Other infrastructure** |  | | | | | | | | | | | | | |
| Number of functioning grain mills in the village | **0** | **1-3** | | | | **3-5** | | | | **>5** | | | | |
| Miena, Kassiola | Debela, Signé, Kokotana | | | | N’Tossoni | | | | Bobola | | | | |
| **Projects/NGOs present** |  | | | | | | | | | | | | | |
| Number of NGOs/projects intervening in the site | **0-2** | **2-5** | | | | **5-10** | | | | **>10** | | | | |
| Siou, Bougoro, Kani (pas de projets), Bobola, Kokotana, Semesso (pas de projets) | Miena, Debela, N’Tossoni, Signé, Try-2, Tarrasso, Gouantiesso, Kassiola | | | |  | | | |  | | | | |
| Name of NGO and nature of their interventions  (1) Agriculture (2) nutrition (3) Management of community resources (4) training (5) other | **1** | **2** | | | **3** | | | **4** | | | | | **5** | |
| Miena, Debela, Bougoro, Try-2, Tarrasso, Bobola, Gouantiesso, Kassiola, Kokotana | Miena, Gouantiesso, Kassiola | | | Bobola | | | Miena, Debela, Bougoro, N’Tossoni, Try-2, Tarrasso, Gouantiesso, Kassiola, Kokotana | | | | | Debela (Hygiène), Bougoro, N’Tossoni, Signé, Try-2 | |
| **Presence of socio-professional groups/associations** |  | | | | | | | | | | | | | |
| Types of organizations present | **0-2** | **2-5** | | | | **5-10** | | | | **>10** | | | | |
| N’Tossoni, Bougoro, Siou, Signé, Try-2, Tarrasso, Kokotana, Semesso | Miena, Debela, Kani, Bobola, Gouantiesso, Kassiola | | | |  | | | |  | | | | |
| Nature of activities of  organizations:  (1) Agriculture (2) nutrition (3) Management of community resources (4) training (5) other | **1** | **2** | | | **3** | | | **4** | | | | | **5** | |
| Miena, Debela, Bougoro, N’Tossoni, Siou, Signé, Kani, Try-2, Tarrasso, Bobola (élevage), Gouantiesso, Kassiola, Kokotana, Semesso |  | | |  | | | Miena | | | | | Debele (Financement),Try-2, Bobola, Gouantiesso | |
| **Presence of seed cooperatives** |  | | | | | | | | | | | | | |
| Number of seed cooperatives serving the site | **0** | **1-2** | | | | **2-5** | | | | **>5** | | | | |
| Miena, Debela, Bougoro, Siou, Signé, Kani, Try-2, Tarrasso, Bobola, Kassiola, Kokotana, Semesso | N’Tossoni (Mpessoba seed center), Gouantiesso (Mpessoba seed center) | | | |  | | | |  | | | | |
| Names and nature of the activities of seed cooperatives  (1) Production (2) Sales (3) Promotion (4) Training (5) others | **1** | **2** | | | **3** | | | **4** | | | | | **5** | |
| N’Tossoni, Gouantiesso, | N’Tossoni, Gouantiesso | | |  | | |  | | | | |  | |
| Part of a union of cooperatives? | **YES** | | | | | **NO** | | | | | | | | |
| Miena, Debela, Bougoro (CMDT), N’Tossoni (CMDT), Siou (UCPCV), Signé (UCPCV), Kani (CMDT), Try-2 (SIWAA ? CMDT), Tarrasso (CMDT), Bobola (Union des emboucheurs, UCPCV), Gouantiesso (UCPCV), Kassiola (UCPCV), Kokotana (CMDT), Semesso (UCPCV) | | | | |  | | | | | | | | |
| Names and nature of activities of unions of cooperatives  (1) Production (2) Sales (3) Promotion (4) Training (5) others | **1** | **2** | | | **3** | | | **4** | | | | | **5** | |
| Miena, Debela, Bougoro, N’Tossoni, Signé, Kani, Tarrasso, Bobola, Gouantiesso, Kassiola, Kokotana, Semesso | Debela, Bougoro, N’Tossoni, Siou, Signé, Kani, Tarrasso, Bobola, Gouantiesso, Kassiola, Semesso | | | Miena, Debela, Bougoro, N’Tossoni, Kani, Try-2, Gouantiesso | | | Miena, Debela, Bougoro, N’Tossoni, Siou, Signé, Kani, Try-2, Gouantiesso, Kassiola, Semesso | | | | | Debela,Siou (financement), Kassiola | |
| **Presence of farmer field schools** |  | | | | | | | | | | | | | |
| Are there farmer field schools operating at the site? | **YES** | | | **NO** | | | | | **INDETERMINATE** | | | | | |
| Siou (Centre alphabétisation), Try-2 | | | Miena, Debela, Bougoro, N’Tossoni, Signé, Kani, Tarrasso, Gouantiesso, Kassiola, Kokotana, Semesso | | | | | Bobola | | | | | |
| **Number of plant nurseries at the site** | **0** | | **1-2** | | | | **2-5** | | | | | **>5** | | |
| Signé | | Debela, N’Tossoni, Siou, Bobola, Kassiola, Kokotana | | | | Miena | | | | |  | | |

|  |  |  |
| --- | --- | --- |
| **Date** | **Commune**  **Chef-lieu** |  |
| **08 Jan** | AMASSA, AMEDD |  |
| **09 Jan** | Sincina  Sincina |  |
| Koloningue  Molobala |  |
| Sinkolo  Sinkolo |  |
| Fagui  Ziena |  |
| **10 jan** | M’Pessoba  M’Pessoba |  |
| Miena  Miena |  |
| Zanina  Debela |  |
| N’Tossoni  N’Tossoni |  |
| **11 jan** | Gouadji kao  N’Togonasso |  |
| Koromo  Bongosso |  |
| Zanfigue  Bobola Zangasso |  |
| Koutiala commune |  |

# APPENDIX II : Photos of meetings